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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/799,420	03/12/2004	Yung-yu Chiu	Q1198	7129
34335	7590	09/10/2004	EXAMINER	
LAW OFFICES OF DAVID PAI 1001 FOURTH AVENUE, SUITE 3200 SEATTLE, WA 98154			LE, DANG D	
			ART UNIT	PAPER NUMBER
			2834	

DATE MAILED: 09/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/799,420

Applicant(s)

CHIU ET AL.

Examiner

Dang D Le

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Snider (4471250).

Regarding claims 1 and 5, Snider shows a fan motor structure, comprising:

- A fan base (51);
- A bearing assembly (59) mounted on the fan base;
- A fan hub (3) formed with an extrusion (21) protruding from a top planar surface (surface outside 13) of the fan hub; and
- A shaft (41) fit into the bearing assembly and connected to the fan hub, the shaft having one end (19) protruding from the top planar surface of the fan hub to form an extension portion enclosed by and in close connection with the extrusion of the fan hub.

Regarding claims 2-4 and 6-11, it is noted that Snider also shows all of the limitations of the claimed invention.

3. Claims 12 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Muller (Re34268).

Regarding claim 12, Muller shows a fan motor structure, comprising:

- A fan base (30a);
- A bearing assembly (48) mounted on the fan base;
- A shaft (12) fit into the bearing assembly
- A fan hub (70); and
- A sleeve (Figure 2) embedded between the shaft and the fan hub
- Wherein, the shaft has one end protruding from the bottom surface of the fan base or a top planer surface of the fan hub, and the shaft has one part enclosed by and in close connection with the sleeve.

Regarding claim 14, it is noted that Muller also shows all of the limitations of the claimed invention.

4. Claims 12 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Maruyama et al. (4603271).

Regarding claim 12, Maruyama et al. shows a fan motor structure, comprising:

- A fan base (4);
- A bearing assembly (13) mounted on the fan base;
- A shaft (14) fit into the bearing assembly
- A fan hub (6); and
- A sleeve (15) embedded between the shaft and the fan hub
- Wherein, the shaft has one end protruding from the bottom surface of the fan base or a top planer surface of the fan hub, and the shaft has one part enclosed by and in close connection with the sleeve (Figure 2).

Regarding claim 14, it is noted that Muller also shows all of the limitations of the claimed invention.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

7. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Maruyama et al. in view of Huang et al. (6509666).

Regarding claim 13, Maruyama et al. shows all of the limitations of the claimed invention except for the copper bushing.

Huang et al. uses copper bushing for the purpose of making a motor fan.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to make the bushing of copper as taught by Huang et al. for the purpose discussed above.

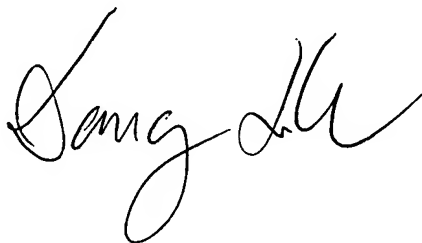
***Information on How to Contact USPTO***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dang D Le whose telephone number is (571) 272-2027. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (571) 272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

9/5/04

A handwritten signature in black ink, appearing to read 'Dang D Le', with a stylized flourish at the end.

DANG LE  
PRIMARY EXAMINER